

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing mast arm pole Traffic Control Signal at the intersection of MD 30 (Hanover Pike) and Eagle Ridge Court/Brodbeck Road in Carroll County due to the construction of MD 30 Relocated (Hampstead Bypass). MD 30 (Hanover Pike) is assumed to run in a north-south direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA six (6) phase, full-traffic-actuated mode, with the MD 30 (Hanover Pike) through movements operating concurrently. Exclusive/permissive left turn phases shall continue to be provided for both approaches of MD 30. The Eagle Ridge Court/Brodbeck Road approaches shall continue to run concurrently.
- The existing controller shall continue to be used at this location.
- Video camera presence detection shall be provided for all approaches.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, excluding interconnect, to the appropriate terminals and shall properly label each cable.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
- Maintenance of Traffic Phases 1,2 and 3 consist only of adjusting video detection zones, relocating traffic signal heads and covering/uncovering signs; therefore, separate General Information drawings are not provided for these phases. Quantities for these phases are provided on this sheet.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA AND INSTALLED BY THE CONTRACTOR.

816015 1 EA VIDEO DETECTION INTERFACE EQUIPMENT

PHASING

	1	2	3	4	5	6	7	8	9	10
PHASE 1 & 5	R	R	R	R	R	R	R	R	R	R
1 & 5 CHANGES TO PHASE 1 & 6 OR PHASE 2 & 5 OR PHASE 2 & 6										
PHASE 1 & 6	G	G	G	R	R	R	R	R	R	R
1 CHANGE	G	G	G	R	R	R	R	R	R	R
PHASE 2 & 5	R	R	R	G	G	G	R	R	R	R
5 CHANGE	R	R	R	G	G	G	R	R	R	R
PHASE 2 & 6	G	G	G	G	G	G	R	R	R	R
2 & 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R
PHASE 4 & 8	R	R	R	R	R	R	G	G	G	G
4 & 8 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

CATEGORY	CODE	QUANTITY	DESCRIPTION
MOT PRE-PHASE NORTH			
	120773	23 SF	RELOCATE SIGN
	802501	65 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
	805115	325 LF	3-IN. PVC SCH. 80 ELECTRICAL CONDUIT-BORED
	805118	150 LF	4-IN. PVC SCH. 80 ELECTRICAL CONDUIT-BORED
	805135	270 LF	3-IN. PVC SCH. 80 ELECTRICAL CONDUIT-TRENCHED
	805150	100 LF	3-IN. PVC SCH. 80 ELECTRICAL CONDUIT-SLOTTED
	810601	4 EA	NON-INVASIVE DETECTOR, 500 FT. LEAD-IN CABLE
	811001	8 EA	ELECTRICAL HANDHOLE
	816001	4 EA	VIDEO DETECTION CAMERA
	816005	3 EA	CONTROL CABLE, 250 FT., VIDEO DETECTION CAMERA TO CONTROLLER
	816010	1 EA	CONTROL CABLE, 500 FT., VIDEO DETECTION CAMERA TO CONTROLLER
	837001	1 EA	GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH
	800000	6 EA	8 IN. LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
	860284	32 EA	12 IN. LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
	861107	120 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
	861108	1200 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
	800000	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
MOT PHASE 1 NORTH			
	100000	2 EA	ADJUST VIDEO DETECTION ZONE
	120777	7.5 SF	COVER SIGNS
	802145	1 EA	ADJUST EXISTING HANDHOLE
	860265	2 EA	RELOCATE EXISTING SIGNAL HEAD
MOT PHASE 2 NORTH			
	100000	2 EA	ADJUST VIDEO DETECTION ZONE
	100000	7.5 SF	UNCOVER SIGNS
	100000	1 EA	RELOCATE EXISTING NON-INVASIVE PROBE
	120773	19 SF	RELOCATE SIGN
	120777	7.5 SF	COVER SIGNS
	860265	6 EA	RELOCATE EXISTING SIGNAL HEAD
MOT PHASE 3 NORTH			
	100000	1 EA	ADJUST VIDEO DETECTION ZONE
	100000	1 EA	RELOCATE EXISTING NON-INVASIVE PROBE
	120773	19 SF	RELOCATE SIGN
	120777	7.5 SF	COVER SIGNS
	860265	3 EA	RELOCATE EXISTING SIGNAL HEAD

CONTACT LIST

The contact persons for District #7 are as follows:

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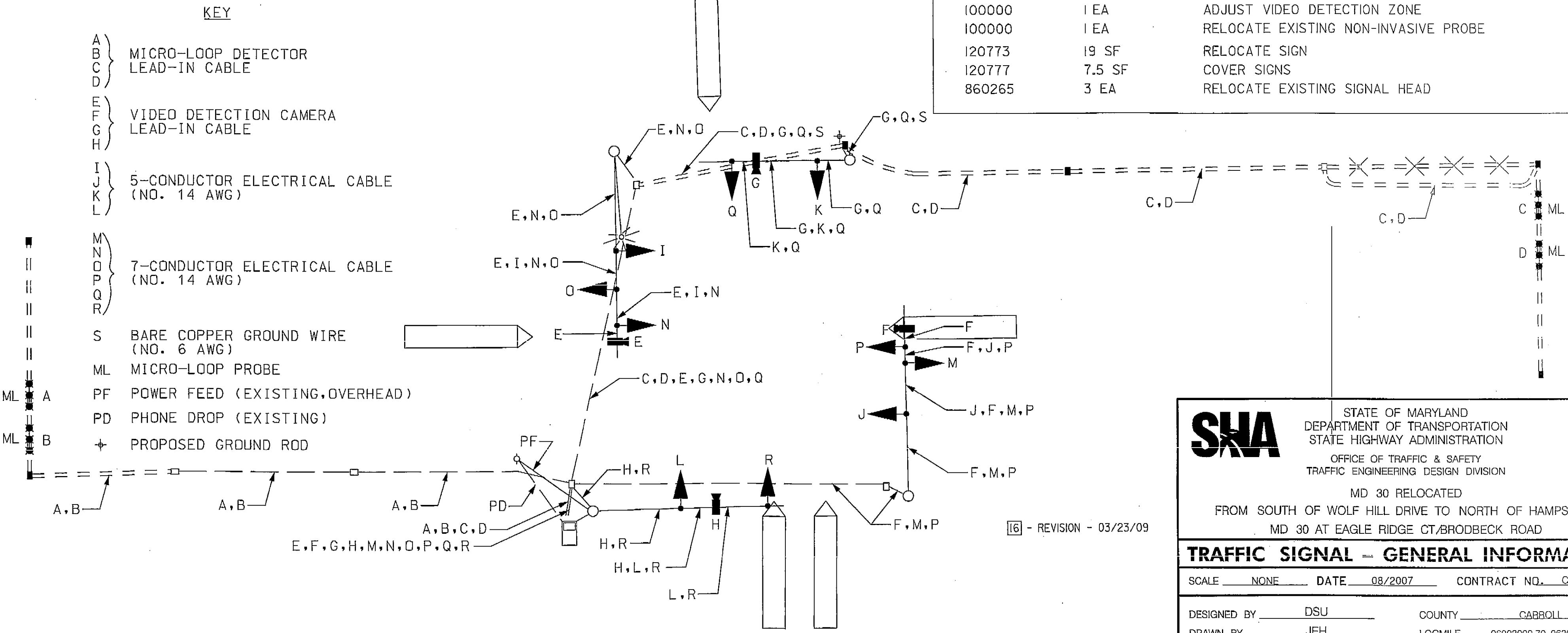
Mr. Richard L. Daff
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410-787-7630

Mr. Edward Rodenhizer
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410-787-7650

The Power Company Representative is:
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Mr. Bernie Thuman
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410-859-9030

The Project Manager for MD 30 Relocated is:
Corman Construction, Inc.
Mr. Scott Szympruh
443-508-4370

PRE-PHASE WIRING DIAGRAM



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 30 RELOCATED
FROM SOUTH OF WOLF HILL DRIVE TO NORTH OF HAMPSTEAD
MD 30 AT EAGLE RIDGE CT/BRODBECK ROAD

TRAFFIC SIGNAL - GENERAL INFORMATION

SCALE NONE DATE 08/2007 CONTRACT NO. CL4165370

DESIGNED BY DSU COUNTY CABBOLL
DRAWN BY JEH LOGMILE 06003000.70-063004.30
CHECKED BY DSU T.I.M.S. NO. 0720
F.A.P. NO. ACHP-2821(001)NAC-NH-107-1(0)N TOD NO.

TS NO. 3989B-GI DRAWING SG-18 OF 19 SHEET NO. 30 OF 82

ISSUED FOR CONSTRUCTION 8/30/07 - SUBMITTAL #20

BY: jholloway

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